

REMARKS

This Amendment is submitted in response to the official action dated October 18, 2006. Claims 1-8 were pending in the application. In the official action, claims 1-8 were rejected. In this Amendment, claims 1 and 4 have been amended. Claims 1-8 thus remain for consideration.

Applicants submit that the application is now in condition for allowance and request reconsideration and withdrawal of the rejections in light of the following remarks.

\$102 and \$103 Rejections

Claims 1, 2, and 4-7 were rejected under 35 U.S.C. \$102(b) as being anticipated by Armbruster (U.S. Patent No. 5,774,194).

Claims 3 and 8 were rejected under 35 U.S.C. \$103(a) as being unpatentable over Armbruster as applied to claims 1 and 4, and further in view of Matsumoto et al. (U.S. Patent No. 4,326,295).

Applicants respectfully submit that the independent claims (claims 1 and 4) are patentable over Armbruster and Matsumoto.

Applicants' invention as recited in the independent claims is directed toward a tuner apparatus for receiving satellite TV broadcasting signals and for receiving terrestrial TV broadcast signals or CATV broadcast signals. Each of the claims recites a mixer circuit for upwardly frequency-converting terrestrial TV broadcast signals or CATV broadcast signals into signals that fall within the bandwidth of intermediate-frequency signals of satellite TV broadcasting signals. Each of the claims further recites that "said mixer frequency-converts only said TV broadcast signals or said CATV broadcast signals and does not frequency-convert said satellite TV broadcasting signals." Supporting disclosure for the mixer frequency-converting only

the TV broadcast signals or CATV broadcast signals can be found in the specification at Figs. 4 and 5. It should be noted that in the Fig. 5 embodiment, the satellite signals received through parabolic antenna 21 are not frequency-converted by mixer 53 (see e.g. page 10, line 24 - page 11, line 15).

Neither Armbruster nor Matsumoto discloses a mixer circuit for upwardly frequency-converting terrestrial TV broadcast signals or CATV broadcast signals into signals that fall within the bandwidth of intermediate-frequency signals of satellite TV broadcasting signals, wherein the mixer frequency-converts only TV broadcast signals or CATV broadcast signals and does not frequency-convert satellite TV broadcasting signals. In particular, Applicants note that Armbruster's mixer M1 frequency-converts both terrestrial signals and satellite signals (see e.g. Armbruster col. 2, lines 5-45). Accordingly, Applicants believe that claims 1 and 4 are patentable over Armbruster and Matsumoto - taken either alone or in combination - on at least this basis.

Dependent claims 2-3 and 5-8 depend respectively on independent claims 1 and 4. Since dependent claims inherit the limitations of their respective base claims, claims 2-3 and 5-8 are patentable over the cited references for at least the same reasons discussed in connection with claims 1 and 4.

Applicants respectfully submit that all of the claims now pending in the application are in condition for allowance, which action is earnestly solicited. If any issues remain, or if the Examiner has any further suggestions, he/she is invited to telephone the undersigned at (908) 654-5000.

The Examiner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account No. 12-1095.

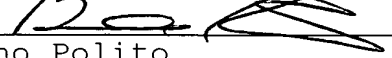
Application No.: 09/855,786

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The Examiner's consideration of this matter is gratefully acknowledged.

Dated: November 27, 2006

Respectfully submitted,

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